THE MINES OF ARIZONA

rection of Mr. W. E. Defty, the well known mining engineer, who ters relating to mining in order that only reliable information regarding legitimate enterprises shall find a place here. The Republican would be pleas-

ed to receive information from y part of the state regarding the development of the mining inshould be addressed: Mining Department, Arizona Republican.

(From Mining and Scientific Press) teen arranged and the delegates and we do not miss the chance, guests will be certain to see Arizona t its best. The program committee jects announced for discussion include the topics of western mining
conditions, mining investments, safety, federal aid to mining and mining
schools, water-power development,

schools, water-power development,

schools, water-power development,

schools announced for discussion into the combined area of Roumania,
Bulgaria, Servia, Albania, MonteneBulgaria, Servia, Albania, Monten men should discuss frankly among instance by the letter s themselves. Possibly it would have been better to abbreviate the pro-spective of all the care exercised gram and center it upon a few def. We can only rely upon the intellicrably well rounded out conferences during their perusal of the columns! accomplish more than much desultory

We understand that the conference idea is to dominate the meeting in gist, "the ground we walk on was interest of a third party is not recog- Nevada's Mineral Gold Off \$1,269,741 | cars industrial, financial and political place of the older one of a series of ence under water." set speeches. We are glad to see this, as also the persistent study by the congress of the business side of show that you can't hold Great Britmining. It is in this, as we believe, ain down."-London Tit-Bits, that its largest field of usefulness since its membership includes

One topic not down upon the pro- milling plant. has been accomplished largely about six months to construct the H. B. Duncan had formed an agree through the self-sacrifice of the sector thirty miles of road. retary, Mr. J. F. Callbreath, Jr., to whom the congress has been chron-The matter is given are returning, but a great public work such as the congress has accomplished and such as it has yet to do, ought not to rest so largely on sulders of one man. The situ may be necessary, and we trust that flotation process or leaching. at the Phoenix meeting the members will not only have the enjoyable visit that is assured, but will also

The officials and all those interestgress are very earnest and indefati- heretofore. The report of Superin-

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S. HARRY ROBERTSON

gable workers. They have built up solid unit for Arizona can and ought tunnel. solid unit for Arizona can and ought tunnel.

to derive much benefit by being a strong part of the congress. There that "development between the 200 are many matters at present and and 800 levels, in the semi-oxide ore others will be coming up of great body, continues favorable." The de-Phoenix, Arizona, has just been are many matters at present and 390 levels, in the semi-oxide ore tions, valued at \$4,565,693, against 12, visited by a serious fire which destroyed a number of its main busi-importance to mining. These mat-velopment of ore on the levels above. The total value of the mineral pro-

meeting of the American Mining men of Arizona to make this level. Crosscut 55, on the 600 level, copper, Congress December 7 to 11 inclusive, much needed beginning and the opare ample and well matured. Under portunity should not under any con- ore. the capable chairmanship of Mr. Will dition be allowed to pass without the L. Clarke, an attractive seris of los becessary being accomplished. Let excursions and receptions has us all work together and see that The following is from the press bul-

subjects, since one or two meas- gence of our readers to correct them

Incontestable Proof "Yes, gentlemen," said the geolo-

non-technical as well as technical This property is shipping very Duncan and others, involving a quarsteadily the concentrates from its ter section of alleged mineral land milling plant. The product continues in the vicinity of Acton, supposed to gram is sure to come up for thought- to be hauled to Florence and shipped be valuable for silica rock. Duncan ful discussion and that is the future to the Hayden smelter. Work conof the congress itself. As is well times in the mine in the nature of The record shows that Duncan filknown, the organization has never sinking, cross cutting and drifting ed on the land known as the Gerald been adequately financed for the Diamond drill holes are being run ine placer mining claim. June 24 work it has undertaken. A report from the 800, foot level in various 1912, and that on August 5, 1913, the made public this year by the ways directions. The milroad from Web- land was suspended from all form and means committee showed that ster on the P. and E. to the mine is of entry, it being alleged that R. O. membership fees have not yielded now assured. Material is now being Barstow, I. W. Pendleton, W. H. E. enough to meet expenses and that assembled for active operations to Pendleton, H. D. Lore, J. W. Later, in fact the work of the past few years commence at once. It will take G. H. Turner, George H. Kelch and

especially significance at this time made upon the west side group of of Duncan. Under the mining law through the circumstance that Mr. claims at Courtland, sufficient work no entryman can secure more than has had this year to has not been accomplished to deter-twenty acres of mineral land, an abandon active work for a time and mine the extent of the new find it was asserted by the government tetire to a sanitarium. We are glad but it is close to other properties that the deal had been made for the to report that his health and strength that have been considerably proven jurpose of securing the ownersal

Inspiration

The Inspiration Consolidated Cop- Production of Precious and Semi per Company expects to start produced ation is a grave one and should be uction by March next, providing the frankly faced. Important as the condition of the copper situation war-work is it should be abandoned for rants. The Inspiration mill will have the time unless adequate support can a capacity of 16,666 tons of ore per presented by the sapphire production be assured. We hope no such retreat day. The treatment will be by the

Shattuck-Arizona

find a way to meet the very pressing one are being had in the Shattuck-needs of the congress itself.

One are being had in the Shattuck-Arizona's property in the Warran dis-ceeding \$5,000 in value were in the trict, at Bisbee. Shipments, as was order of their importance, agates previously stated, were discontinued (chalcodeny, onyx, etc.) turquoise October 23, but development work tourmaline, spodumene, (kunzite, hided in the management and direction has been kept intact and will be conof the affairs of this valuable con- thrued on about the same basis as (amatrice, utalite, cic.) jasper (petr.

tween the 100 and 300 levels in Shat- \$44,613,448,

Area of California

"The area of California, 158,207 States Geological Survey."

Important California Decision "We cannot regard the locators in crations. any other light than dummies, having

must not be a dummy or a nominal 1912. purchaser. A location made in the nized by the land department as initiating a valid claim."

This decision was handed down ceiver Mitcheli of the local band office, in deciding a contest instituted by the government against H. B. per'ant mineral arset, the state rands

ment by which it was to appear that each had an interest in the land, when as a matter of fact, the entr A reported strike of rich ore is had been made for the sole benefit end control of more land than Dun

production was opal. valuable amounting to \$15,130 there having Splendid results in development of been increased activity in the Virgia diamonds, variscite, fied wood and bloodstone

Montana Produces Nearly \$70,000,000

Montana ranks tenth among th states in the total value of its min eral products, and its chief mineral industry is the mining and smelting of copper ores. As a producer of copper Montani ranks second ameni the states, Arizona being first. Mon tana's total preduction of copper from the time mining first began as ceeds that of any other state, the output to the close of 1913 amounting to nearly 6,200,000 pounds, some what more than one-third of the total production of the United States.

It is not generally known that be- value declined from \$51,106,914 to Comstock lode days, silver ranks

tuck mine there is exposed, though Montana is essentially a metal pro- produce in the Nevada, which holds not yet blocked out, apparently 200,- ducing state, the values of its copper tae lead as a silver producer 000 tons of gold and silver ore which gold, silver, zinc and lead representan exceedingly useful and valuable it is estimated will average \$15 per ing in 1913 over 89 per cent of its ducts of Nevada in 1913 amounted ton in those metals. The ore carries total production, It is also one of to \$37,842,084, against \$79,111,828 11 little or no copper, and it is considand benefit to mining. By its con-centrated efforts it has accomplished of \$15 in precious metals is conserva- tent of its coal erea Mentana exmore than any individual could have tive, for a substantial tonnage runs coeds any other state of the anion production of copper increased from done, but most of its work has been as high as \$35 per ton. The desir-, with the possible exception of Texas 36,477,494 pounds in 1912 to 90,693, recomplished for the benefit of other able material for reverberatory fur- about whose lignite deposits relative- 751 pounds in 1913, but with a destates. Now is a good opportunity to nace. Three million dollars worth of ly little is known. The production of cline take a more solid and active part in gold and silver ore in one section of coal in Montana increased from 057,531. Copper mining is one of the the work of the congress. This will the Shattuck is important news for 3,048,495 short tens, valued at \$5,- new industries of the state. It slid

products of the State. The recov- | 000,000 pounds ness buildings. Phoenix, however, ters can be materially helped in the 800 continues as usual. Crosscut ducts of the state showed a decrease 580 one ounces valued at \$11,725, can be expected to prove true to less their solution by our being a strong 18, 200 level, is cutting ore that runs from \$71,620,573 in 1912 to \$69,307,0.5 like increase in other profor entertaining the visiting mining. The coming meeting should over- grade copper. Kidneys of good ore ducts not being sufficient to over 1912 and 1912 came from men and their wives during the tainly be the opportunity for the are being disclosed in cross 31, 400 come the decrease in the output of field and Tonopah districts.

Increase in Borax Production

in 1913 the production of crude as 58,051 short tens valued at \$1,letin of the United States Geological 491,539, compared with 42,315 ions in Trict. To what extens the Comstors Survey: 1912 valued at \$1,127,813, according to lode in Churchill county has falled an advance chapter from Mineral Rehas been not less active. The sun-fine less active the sun-jects announced for discussion in-Lumber of errors by omnissions as to the combined area of Roumanis, borne, now in press by the United fact that in 1876, when the famous

as against 25,552,000 for the Entoyeas and Less Algeres controlly and compulsory arbitration—certainly. There was some bad mistakes in countries named. Of California's lies, although a small quantity was a comprehensive list. Many of these the first article, especially at its total area, it is of interest to note produced in Ventura county. Thus topics are controversial and all of conclusion. The article on Banxie that to per cent, has already been for there has been no output of borthem concern matters that mining the letter x was substituted in each topographically mapped by the United Searles Lake region, where the pro-moters expect to obtain borax as a by-product of the potash mining op-

The imports into the United State

In 1913.

Figures prepared by the Geological This decision was handed down Survey place Nevada, well up with yesterday by Register Roche and Re- the states in the production of precious and semi-precious metals, as a producer of copper, its as at im-



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tendent Houle for October contains from 309,738,873 pends in 1912 to fifth. While the silver production is much interesting matter. | 287,828,699 pounds in 1913, and the not equal to the output in the old third in importance among the metals

The total value of the mineral pro-

the state's mineral industries. require organization on Arizona's the Warren district, as well as of 558,195, in 1912 to 2,210,793 tons, valued at 35, new incurrence and surely the time has arrived for this to be done. It requires a good man to be appointed to the not begin on an important scale unt'l head of the state, and an efficient to the surface. It is supposed to be increase in 1913 compared with pre- Ely district the copper production of working force in each district, so associated with the silicions outcrop vious years, and sine became third the state was less than 2,000,000 that they can be effective as one in the neighborhood of the surface it importance among the metals, pounds, but in 1913 it exceeded 30.

1912 and 1913 came from the Gold-

from 14,369,662 fine ounces, valued a ounces valued at \$9,718,410, in 191 torate materials in the United States About 70 per cent of the silver out but is derived from the Tonopah district. To what extent the Comstfrom its high estate in the produis produced from ores derived from and in 1913 the total production from

F. Augustus Heinze

an end one of the most spectacular careers in finance that this countr man who attained the phenomenal sugess within a few years and then went down as rapidly in the face of bust no bona fide interest in the location, in 1913 of borax and borates were ness conditions and practices which he An applicant under the mining law valued at \$18,434 against \$11,349 in seemed never to fully understand. As the promoter of great copper interest in Montana, Heinze carried on fo activities on a prodigious scale. He became immensely wealthy. Then h financial fray. Within ten years his fortune had been largely dissipated and for the remainder of his life he was constantly embroiled in affair that brought him into court again and

He was born in Brooklyn on Decen er 5, 1869. His parents were able study and travel he fitted himself for was graduated from the Columbia School of Mines in 1889 and went su to Montana to seek his fortune. Fe two years he worked in the mine he Boston & Montana Co. for \$5 day. Then he and his brother, Ar thur P. Heinze, went into the smeltir usiness, leasing mines and taking our the ore on a percentage basis. No ong after that Heinze organized the Montana Ore Purchasing Co

From the beginning Heinze was in colved in litigation. It was claime that ore bodies discovered in the Rarus, one of his mines, run into the operty of other concerns. were brought against him by the Boa on & Montana and the Butle & Bosn companies. Heinze had friends in office and in the courts and it was charged that legislation favorable to him and inimicable to his rivals was assed and upheld much according to his wishes. Anyway, he won these suits and others that steadily added to his fortune.

An estimate of \$10,000,000 as the alue of the estate of F. Augustus sant with the late copper king's prop erty, but it is understood that this figure represents the face value of the estate, and that litigation pending against Mr. Heinze at the time of his be presented will reduce the amount materially. It is not believed that the net estate will amount to more than \$1,500,000, which will go to the infant on, F. Augustus Heinze, Jr.

Jacob J. Schwebel, for the past few years counsel for Mr. Helinze, said that jest before Mr. Heinze came in 1995 from Montana he received \$15,000. 000 in settlement of his litigation with the Amalgamated Copper interests and that subsequently he lost \$1,000,000 trying to convert cotton plantations while Mr. Heinze was heavily indebted to various banks for loans, they are all covered by collateral, and that while many suits are now pending against Hr. Heinze, he is plaintiff in a number of suits. He thinks the esate will break even. Mr. Scheweb said that a search for

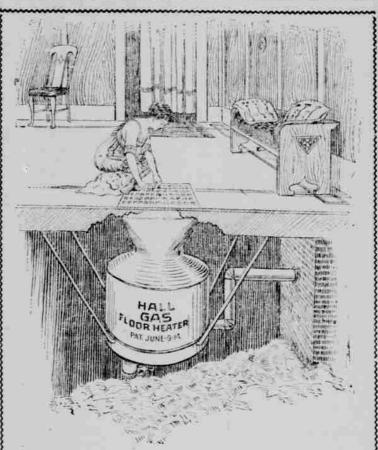
a will is being conducted. He executed a will some years ago in which he left all his estate to his mother who has since died.

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